

Form PTO-1449

Docket Number (Optional)

Application Number

APK-001.02

10/605,322

Applicant

Cheal, E. et al.

Filing Date

9/22/03

Group Art Unit

3738

## U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA 4,963,155	10/16/90	Lazzeri et al.	623	23	08/30/89
AS	AB 5,002,578	3/26/91	Luman	623	23	05/04/90
AS	AC 5,888,245	3/30/99	Meulink et al.	623	23.35	5/21/97

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)


EXAMINER

A. Stewart

DATE CONSIDERED

05/25/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
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Docket Number (Optional)  
APK-001.01 (22697-101)

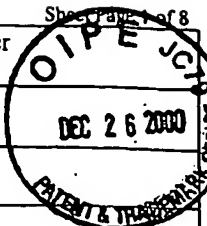
Application Number  
09/583,805

Applicant  
Edward J. Cheal and George B. Cipolletti

Filing Date  
May 30, 2000

Group Art Unit  
3738

Sheet 1 of 8


**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA 3,846,846	11/12/74	Fischer	3	1	09/26/73
	AB 4,051,559	10/04/77	Pifferi	3	1.912	09/01/76
	AC 4,520,511	06/04/85	Gianezio et al.	3	1.913	07/30/82
	AD 4,608,055	08/26/86	Morrey et al.	623	23	01/12/84
	AE 4,624,673	11/25/86	Meyer	623	16	08/03/82
	AF 4,676,797	06/30/87	Anapliotis et al.	623	18	11/07/84
	AG 4,693,724	09/15/87	Rhenter et al.	623	23	01/21/86
	AH 4,790,852	12/13/88	Noiles	623	18	09/15/86
	AI 4,846,839	07/11/89	Noiles	623	18	04/08/88
	AJ 4,908,032	03/13/90	Keller	623	18	03/02/88
	AK 4,995,883	02/26/91	Demane et al.	623	23	02/08/89
	AL 5,002,578	03/26/91	Luman	623	23	05/04/90
	AM 5,002,581	03/26/91	Paxson et al.	623	23	11/03/89
	AN 5,035,717	07/30/91	Brooks	623	18	09/26/88
	AO 5,035,712	07/30/91	Hoffman	623	16	06/2/90
	AP 5,080,685	01/14/92	Bolesky et al.	623	23	05/25/90
	AQ 5,108,437	04/28/92	Kenna	623	16	09/14/88
	AR 5,135,529	08/04/92	Paxson et al.	606	85	10/31/90
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**INFORMATION DISCLOSURE CITATION  
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*(Use several sheets if necessary)*

Docket Number (Optional)  
APK-001.01 (22697-101)

Application Number  
09/583,805

Applicant  
Edward J. Cheal and George B. Cipolletti

Filing Date  
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Group Art Unit  
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AS	BB	5,658,349	08/19/97	Brooks et al.	623	23	0107/29/91
AS	BC	5,702,480	12/30/97	Kropf et al.	623	23	04/25/95
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IN AN APPLICATION**  
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69/583,805

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Cheal, et al.

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May 30, 2000

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3738
**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA 4,851,007	July 25, 1989	Gray	623	23	March 18, 1988
↓	AB 6,264,699	July 24, 2001	Noiles et al.	623	23.23	November 23, 1998
↓	AC 6,299,648	October 9, 2001	Doubler et al.	623	23.18	March 17, 2000
AS	AD 6,319,286	November 20, 2001	Fernandez et al.	623	23.18	March 13, 2000

EXAMINER

A. Stewart

DATE CONSIDERED

05/25/04

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<b>37 CFR 1.501 INFORMATION DISCLOSURE CITATION IN A PATENT</b> (Sheet 1 of 1)				Docket Number (Optional) APK-001.01		Application Number 09/583,805	
				Applicant: Cheal, Edward J.			
				File Date: May 30, 2000		Art Unit: 3738	
<b>U. S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AS	5,108,452	04/28/92	Fallin	623	23	01/31/90	
	4,995,883	02/26/91	Demane et al.	623	23	02/08/89	
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	5,507,824	04/16/96	Lennox	623	22	02/23/93	
✓	5,601,567	02/11/97	Swalger et al.	606	102	04/03/96	
AS	5,658,349	08/19/97	Brooks et al.	623	23	07/29/91	
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AS	0 567 349 A1	10/27/93	EP	A61F	2/30	X	
	0 592 897 A1	4/20/94	EP	A61F	2/30		X
	0 433 121 A1	6/19/91	EP	A61F	2/30	X	
	0 562 782 A2	9/29/93	EP	A61F	2/30	X	
	0 679 375 A1	11/2/95	EP	A61F	2/40		X
✓	0 612 509 A2	08/31/94	EP	A61F	2/34	X	
	WO 96/00539	01/11/96	PCT	A61F	2/46	X	
AS	WO 93/02641	02/18/93	PCT	A61F	2/30	X	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
AS	International Search Report, International Application Ser. No. PCT/US00/15059						SEP 25 2003
EXAMINER	A. Dewalt			DATE CONSIDERED	05/25/04		
				TECHNOLOGY CENTER R3700			

This collection of information is required by 37 CFR 1.501. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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